

AGENDA

2005 Summer Meeting/Conference of the Transportation Research Board ADC40 (A1F04) Noise & Vibration Committee Conference

Located at Hilton Hotel in downtown Seattle, Washington
on the corner of 6th Ave. & University Street

First Evening, Sunday, July 17, 2005

3:00 – 8:00 PM Exhibitor Setup
3:00 – 8:00 PM Conference Registration
5:30 – 7:00 PM Welcome Reception – near registration area and Taku / Chinook Room rooms

Day 1, Monday, July 18, 2005

Conference Start - In the Pacific Ballroom (same floor as the hotel lobby)

8:30 - 8:45 AM	Welcome & Logistics	Ken Polcak	ADC40 Chair, Maryland State Highway Admin.
		Mia Waters	Washington State DOT

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Day 1, Monday, July 18, 2005 Continued

Presentations - Noise Policy & Program Implementation, Land Use & Development, and Public Issues

8:45 – 9:30 AM	Status of Current FHWA Noise Activities (1)	Mark Ferroni	Federal Highway Administration
9:30 – 9:50 AM	New NHI Traffic Noise Fundamentals Training Course and its Interactive Graphics Teaching Component (2)	Mark Ferroni	Federal Highway Administration
		Bill Bowlby	Bowlby & Associates, Inc.
9:50 – 10:00 AM	Questions		
10:00 – 10:30 AM	Break – Vendor Exhibits		
10:30 – 10:50 AM	Uncertainties in noise measurement and prediction and their implications in community noise (3)	Rich Peppin	Scantek Inc
10:50 – 11:10 AM	Colorado Noise Program (4)	Bob Mero	Colorado DOT
11:10 – 11:30 AM	Tennessee DOT's New Type II Noise Barrier Program (5)	Bill Bowlby	Bowlby & Associates, Inc.
11:30 – 11:50 AM	Ohio DOT and Noise-compatible Development (6)	Adam Alexander & Bill Bowlby	Ohio DOT Bowlby & Associates, Inc.
11:50 – 12:00 PM	Questions		
1:00 – 1:30 PM	Benaroya Concert Hall vibration & acoustical isolation from heavy rail & bus tunnels (7)	George Wilson	Wilson, Ihrig & Associates
1:30 – 5:00 PM	Field Trip to Benaroya Concert Hall	Wear walking shoes & comfortable clothing!	Walk from Hotel to Hall (3-blocks to 3 rd Ave & University St.)

TRB ADC40 Noise & Vibration **Day 2, Tuesday, July 19, 2005**

Presentation - Vibration

8:30 – 9:10 AM	Sound Transit Light Rail Vibration Issues at the University of Washington (8)	James Irish Steven Wolf James Nelson	Sound Transit Parsons Brinkerhoff Wilson, Ihrig & Assoc.
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Presentations - Tire / Pavement Noise

9:10 – 9:30 AM	Traffic Noise Abatement by Pavement Grinding in Ohio (9)	Lloyd Herman	Ohio University
9:30 – 10:00 AM	Quiet Pavement Pilot program, Arizona (10 & 11)	Fred Garcia Christ Dimitroplos Emily Paulsen	Arizona DOT Arizona DOT HDR
10:00 – 10:10 AM	Questions		
10:10 – 10:40 AM	Break – Vendor Exhibits		
10:40 – 11:00 AM	FHWA Texture-Noise Study for Concrete Pavements (12)	Robert Otto Rasmussen	Transtec Group
11:00 – 11:20 AM	ISU-FHWA-ACPA Field Study on Concrete Pavement Solutions for Tire-Pavement Noise and other Surface Characteristics (12 continued)	Robert Otto Rasmussen	Transtec Group
11:20 – 11:40 AM	Quiet Pavement Testing in B.C. (13)	Duane Marriner	Wakefield Acoustics

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11:40 – 12:00 PM	Overview of Quiet Pavement program in California and CALTRANS Truck Noise Source Location Studies (14)	Bruce Rymer	California Dept of Transportation
12:00 – 12:15 PM	Questions	Paul Donavan All	Illingworth & Rodkin, Inc.

Presentations - Noise Sources & Movement

1:15 – 1:35 PM	Atmospheric effects on propagation of highway noise in the Phoenix valley (15)	Hugh Saurenman	ATS Consulting
1:35 – 2:00 PM	Highway noise levels in Scottsdale Arizona under early morning inversion conditions (16)	Hugh Saurenman for Jim Chambers	University of Mississippi
2:00 – 2:20 PM	Design Challenges for Seattle Sound Transit Underground Stations Public Address Systems (17)	Hugh Saurenman Paul Burgé	ATS Consulting Acentech, Inc.
2:20 – 2:30	Questions	all	
2:30 - 2:45 PM	Break – Vendor Exhibits		
2:45 – 3:05 PM	Refinement of sound intensity measurement, NITE study comparison Europe and US pavements (18)	Paul Donavan	Illingworth & Rodkin
3:05 – 3:25 PM	Double-decker noise modeling, capturing the reflection for the Alaska Way Viaduct (19)	Lawrence Spurgeon	Parsons Brinkerhoff

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3:35 – 3:45 PM	Reflective Noise Modeling with TNM, examples and results from the Interstate 5 Ship Canal Bridge project. (20)	Jim Laughlin	Washington State Dept. of Transportation
3:45 – 4:00 PM	Should multiple highway lanes equal multiple TNM roadways? (21)	Matthew McDuffee	Acentech, Inc.
4:00 – 4:05 PM	Questions	All	
4:05 – 4:15 PM	Break – Vendor Exhibits		
4:15 – 5:30 PM (could extend to 6:00 PM if desired)	ADC40 Noise & Vibration Committee Meeting <i>Everyone welcome</i>	Ken Polcak, Committee Chair	Maryland State Highway Admin.

TRB ADC40 Noise & Vibration Day 3, Wednesday, July 20, 2005

Presentations - Construction Noise

8:30 – 8:50 AM	Construction noise at night, best practices & human reaction (22 & 23)	David George	City of Seattle, Dept of Planning & Development
		Laura Escude	Washington State DOT
8:50 – 9:15 AM	FHWA Roadway Construction Noise Model (RCNM) (24)	Judy Rochat with Soren Pedersen & Harvey Knauer	USDOT / Volpe Center
9:15 – 9:35 AM	Remote Construction Noise Monitoring (25)	Areg Gharabegian	Parsons
9:35 – 9:55 AM	Wildlife issues and noise, best practices & use of a noise shroud during impact pile driving near a bald eagle nest (26)	Emily Teachout	US Fish & Wildlife Service
9:55 – 10:00 AM	Questions	All	

10:00 – 10:30 AM Break – Vendor Exhibits

Presentations - Underwater Noise

10:30 – 11:10	Endangered species and underwater noise issues (27) An Endangered Species effects analysis of pile driving on bull trout (<i>Salvelinus confluentus</i>), marbled murrelet, etc.	Sasha Visconty Brian Missildine Emily Teachout	Anchor Environmental US Fish & Wildlife Service US Fish & Wildlife Service
11:10 – 11:30 AM	Washington State Ferries' experience with bubble curtains: purpose, hardware, and use (28)	Frank Petrie	KPFF
11:30 – 12:00 AM	Underwater Noise Impacts to Fish from Pile Driving: Current information on underwater noise metrics and research will be presented focusing on results from the Friday Harbor Ferry Terminal project. (29)	Jim Laughlin	Washington State Dept of Transportation
12:00 – 12:10 PM	Questions	All	

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Day 3, Wednesday, July 20, 2005

1:10 – 3:00 PM	Discussion: State DOT Noise Policies - questions, answers & national consistency issues. Other questions and information exchange as desired.	All	Dessert and additional coffee and tea to be served at just prior to meeting in Taku/Chinook Rooms
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